AD-A065 547 ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DOVER--ETC F/G 5/1
PACERS - PERFORMANCE AND CURRENT EQUIPMENT REQUIREMENTS/SCHEDUL--ETC(U)
JUL 78 I E TEVIOVITZ, T J CAGGIANO

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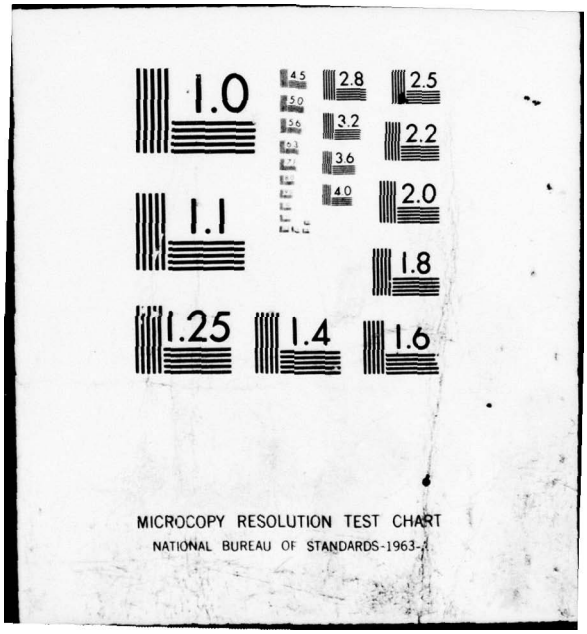
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MICROCOPY RESOLUTION TEST CHART
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USERS MANUAL

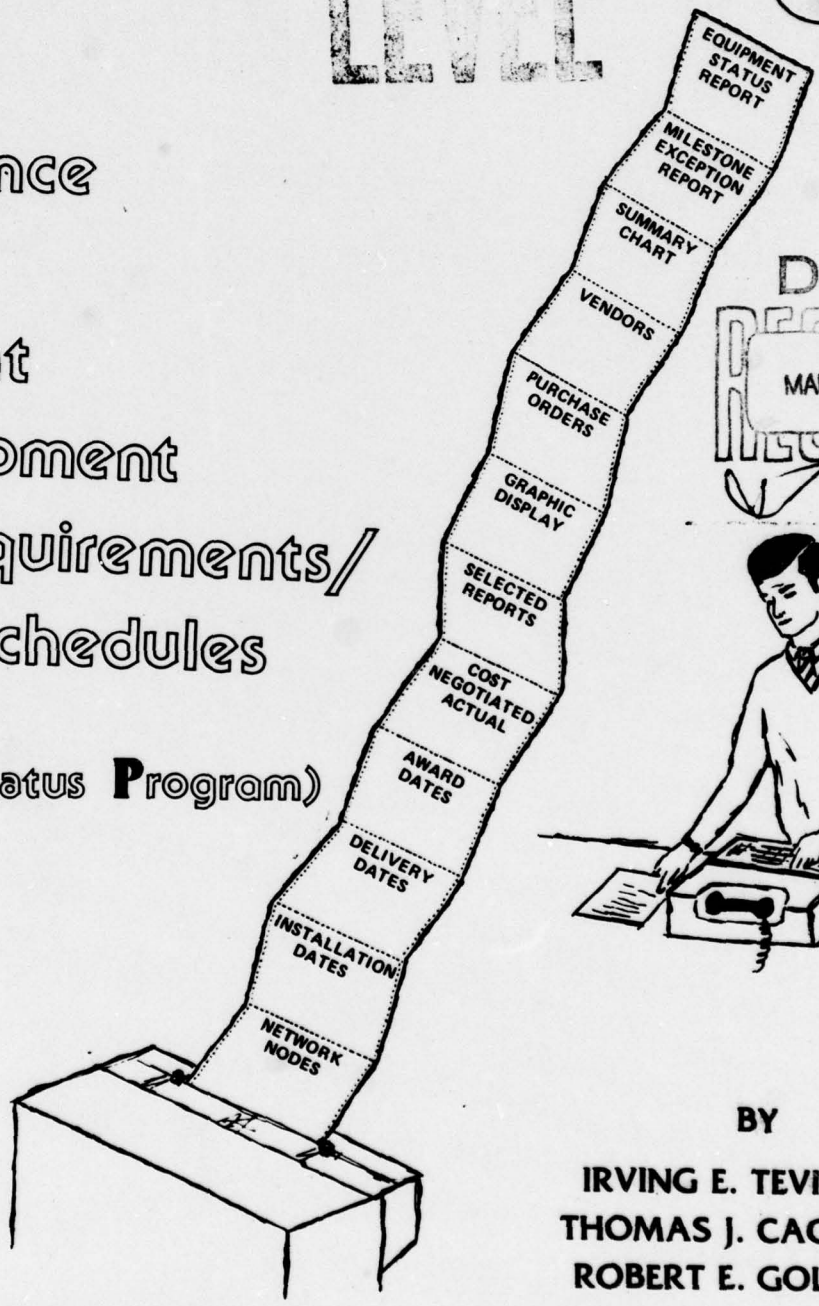
PACERS

LEVEL II

2

Performance And Current Equipment Requirements/ Schedules

(Equipment Status Program)



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(14) MISD-UM-78-7

(6)

PACERS -

PERFORMANCE

AND

CURRENT

EQUIPMENT

REQUIREMENTS/

SCHEDULES,

EQUIPMENT STATUS PROGRAM

(ESP).

(9) Users manual (Final),

BY

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ROBERT E. /GOLDBERG

(11) Jul 78

JUNE 1978

(12) 78p.

MATHEMATICAL ANALYSIS DIVISION
MANAGEMENT INFORMATION SYSTEMS DIRECTORATE
US ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND
DOVER, NEW JERSEY

410 191 LB

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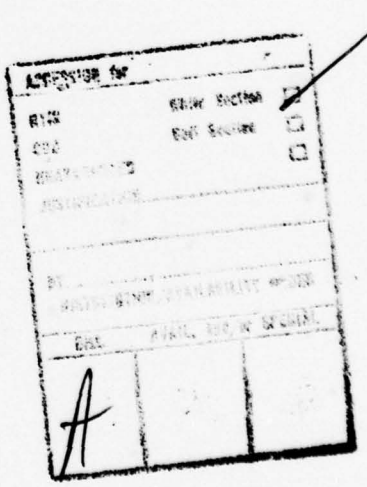

ACKNOWLEDGMENTS

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ABSTRACT

PACERS provides management and field personnel with a powerful equipment monitoring program that allows users to track the status of various items. Through interactive computer data base updating, milestone interface dates (i.e. award, delivery, etc.) are analyzed providing the user appropriate managerial diagnostics in project terms. Other information, such as, purchase order numbers, vendors, component names and nomenclature, costs, network numbers may be retained and sorted. Additionally, semi-graphic displays show milestone bar charts for each component item (equipment). The generated equipment status report provides the project's performance and current requirements/schedules for effective project planning and execution.

TABLE OF CONTENTS

I. INTRODUCTION

The Performance and Current Equipment Requirements/Schedules (PACERS) Report describes a computer program developed by the US Army Armament Research and Development Command in conjunction with the Project Managers Office for Munitions Production Base Modernization and Expansion (PBM) to assist the PBM during facility project planning and execution. PACERS uses the Equipment Status Program (ESP) to provide the user an in-depth consolidated overview of facility component items (e.g., equipment), progress and schedule diagnostics covering current and projected areas requiring attention. PACERS provides management and field personnel with a rapid method of effective communication covering numerous execution profiles, such as: Government-Owned Contractor-Operated (GOCO) equipment procurement, installation, rehabilitation, Corps of Engineers (CE) contractor installation, etc.

Once the basic data component list is established, updates are made rapidly in the interactive mode. In addition to the basic Equipment Status Report (ESR), over 1,300 other optional sorted reports may be obtained for improved program visibility, such as: Vendors, Purchase Orders, Milestone Dates (scheduled, actual, critical) for award, deliveries, installation, debugging, rehabilitation, costs, equipment types, process or building areas, etc. A semi-graphical report gives rapid visual review for each item's schedule with abbreviated highlights. An optional milestone exception report provides problem analysis in specific project terminology.

Additional program modifications will be made in the future to further refine data entry options and reports. The ESP will provide abbreviated details on the revisions. To obtain the latest user manual revision, contact ARRADCOM's Management Information Systems Directorate/Mathematical Analysis Division.

11. PRELIMINARY INFORMATION AND DEFINITIONS

PACERS Report uses the ESP, an interactive computer program that enables the user to update and modify a formatted data base. ESP also allows a wide range of information reports and displays to track the disposition of equipment in several different implementation approaches. Before using ESP, an initial data base must be formed. See Appendix A, page 31, for creation and sample of the data base.

ESP is principally based on tracking five milestone dates for each piece of equipment, component set or subset. Presently programmed are four implementation profiles (0, 1, 2, 3). At this point, the reader may wish to look at pages 40-43 and 49-50 for typical report outputs. The user selects the profile which has associated milestones closest to his project. The profiles, columns, and associated milestones are as follows:

Profile:	A	B	C	D	E
0	Award	Delivery	Transfer	CSTRT	CPNSH
1	Rehab	Transfer	Instl Start	Instl Complete	Debug
2	Rehab	Instl Start	Instl Complete	Transfer	Debug
3	Award	Delivery	Instl Start	Instl Complete	Debug

Definitions:

Award - Purchase Order is signed
CSTRT - Earliest Construction Instl Start Date
CFNSH - Latest Construction Instl Start Date
Debug - Item checkout is complete
Delivery - Item is delivered on site
Instl Start - Instl of item is begun
Instl Compl - Instl of item is finished
Rehab - Modification of item is complete
Transfer - Possession of item is officially transferred from the government to the contractor

Each milestone covers three situations: Schedule (S), Actual (A), and Critical (C). For every piece of equipment, there may be fifteen separate and distinct dates at the user's option.

A two letter symbol is used to reference each of the fifteen positions in the date matrix (i.e., AS - Column A Scheduled, DA - Column D Actual, BC - Column B Critical). This two letter symbol plus the profile selected specifies the milestone.

The user stores the data on a permanent file. To make changes, one attaches the permanent file with local file name ODB (Old Data Base) and executes ESP to update ODB to NDB (New Data Base) and/or generate file ESR with all the reports and displays.

The reports are:

a. Always generated:

ESR (Equipment Status Report) - A complete list of items in order of equipment number separated by process area, building, or other method of characterization - Sample Appendix B, page 37.

Graphical Display - A condensed semi-graphical list of all items in order of equipment number. This display is used to quickly check milestone dates and obtain a visual overview of the prior performance and current requirements/schedules - Sample Appendix C, page 45.

b. Specifically requested:

SDR (Sorted Dates Report) - Reports that present sorted items in order of any of the fifteen dates from the date matrix selected by the user - Sample Appendix D, page 51.

MER (Milestone Exception Report) - A report only listing items where milestone dates are within two months, past due, or improperly scheduled (i.e., delivery date is scheduled before award date) - Sample Appendix E, page 57.

SR (Special Reports) - Optional reports that present sorted items by the following categories: Network Number, Purchase Order, Vendor, Equipment Symbol, Purchase Order Cost, Final Cost, Floating Point Number, Hollerith or Comment. Sorting by category can include: All items; only items with Actual Award or Rehab dates (Date Array, Column A, Row 2); only items with a Scheduled Award or Rehab dates.

Column A, Row 1); or only items in the Milestone Exception Report. In addition, for Network Number, Vendor, Hollerith, or Comment, the sort can be given selection within the category (i.e., a particular vendor) - Sample Appendix F, page 65.

Summary Chart - This chart gives a synopsis of Columns A, B, C, D and E as total percent actual dates, as well as total cost data. This chart is not on file ESR, but is printed at the terminal - Sample Section III, page 13.

III. INSTRUCTIONS FOR EXECUTING THE "ESP" COMPUTER PROGRAM

Note: UNDERLINED STATEMENTS - Computer generated instructions and responses.
STATEMENTS ALL IN CAPITALS BUT NOT UNDERLINED - User generated responses.
(Statements in parenthesis) - User manual instructions and information.
?? - User responses entered here.

Figure 1 on page 10 shows one type of remote terminal that can be used.

After the user has initialized the terminal and established communications with the CDC 6000 computer by dialing the appropriate telephone number, the INTERCOM system then requests the user's identification. The sequence follows:

INTERCOM responds with its identification and asks the user to please login (reference 2).

```
CONTROL DATA INTERCOM 4.5
DATE 03/09/78
TIME 09.39.52

PLEASE LOGIN
```

The user replies by typing the word login followed by a RETURN key.

```
LOGIN.
```

Next, INTERCOM responds by asking for a user name.

```
ENTER USER NAME-
```

The user name looks like the following:

```
UUUUXXXYYY
```

It contains the following information:

UUUU - a unique 4 alphanumeric character user identification assigned by MISD of ARRADCOM, Dover, N.J.

XXX - a three digit cost center number

YYY - a three digit charge code

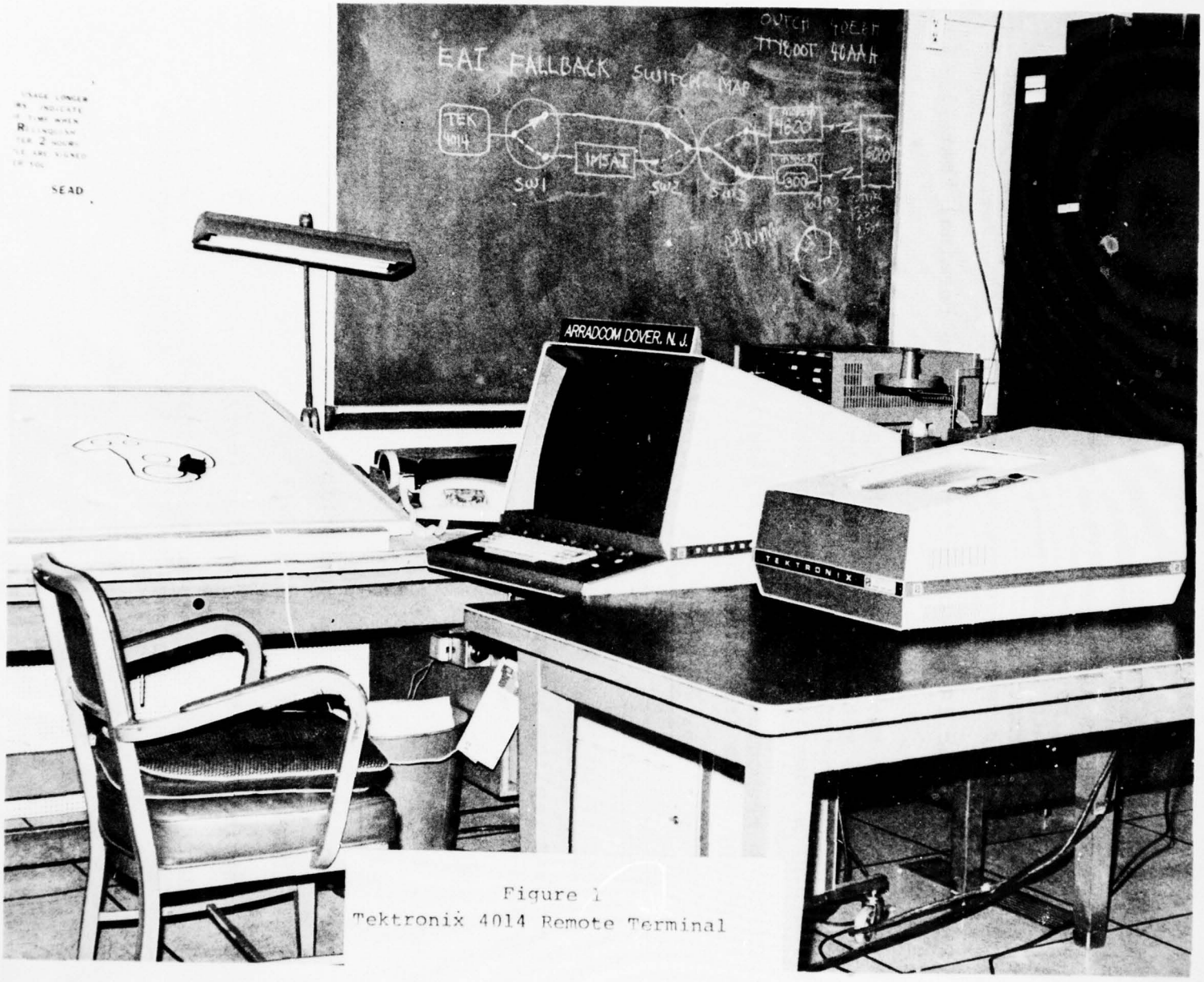

Figure 1
Tektronix 4014 Remote Terminal

After typing in the user's name followed by a RETURN key, INTERCOM will respond and ask for the password associated with that user name if it is a valid name.

```
xxxxxxxxxx ENTER PASSWORD-
```

If it is correct, INTERCOM will acknowledge with the following:

```
03/09/78      LOGGED IN AT 09.40.40
              WITH USER-ID XX
              EQUIP/PORT 41/010
COMMAND-
```

INTERCOM is now in conversational mode and waiting for the user to enter a command. At this time enter the following INTERCOM commands:

```
COMMAND- ETL,60.

COMMAND- ATTACH,ODB,****,ID=YYY,CY=ZZ.
           (ODB - Mandatory Local File Name (Old Data
           Base)
           **** - Permanent File Previously Used To Store
           Data Base
           YYY  - ID Name Usually Your Last Name
           ZZ   - Cycle on Which Data Is Stored)

COMMAND - BEGIN,ESP,/TEVIOVITZ.

// OLD DATA BASE (ODB) IS NOW BEING READ

// READY FOR USER'S CHANGES TO DATA BASE

?? (Data base changes are made here - see Section IV)
   (See next line if no changes are to be made)

?? END (Type when finished making data base changes or
   when one doesn't want to make any changes to data
   base).

// NEW DATA BASE IS NOW BEING WRITTEN ON FILE NDB
```

// EQUIPMENT STATUS PROGRAM REPORT IS NOW BEING WRITTEN ON FILE ESR

// DO YOU WANT THE CRITICAL DATES ON THE GRAPHICAL DISPLAY AS WELL AS THE SCHEDULED AND ACTUAL DATES? RESPOND BY TYPING YES OR NO.

?? (Type YES or NO)

// SUMMARY CHART, TYPE YES OR NO

?? (Type YES or NO)
(If your response is no, the Summary Chart will not be generated and the next computer response to appear will be (2), otherwise (1) will appear.)

(1) // ON TEKTRONIX GRAPHICS TERMINAL PUSH PAGE KEY FOLLOWED BY RETURN KEY

SAMPLE SUMMARY CHART

PROJ 575ZZZZ TEST CASE PLANT
GOVERNMENT ARMY AMMO PLANT

PERCENT A	=	72.00		
PERCENT B	=	24.00		
PERCENT C	=	8.00		
NEGOTIATED COST =		151.641		
CALCULATED PURCHASE COST =		151.776	ACTUAL PURCHASE COST =	103.690
CALCULATED FINAL COST =		152.161	ACTUAL FINAL COST =	37.420

THIS CHART SUMMARIZES THE TOTAL PERCENT OF ACTUAL TO TOTAL DATES FOR EACH OF THE FIVE MILESTONE COLUMNS (A, B, C, D, E) (SEE PAGE 6), AS WELL AS THE TOTAL COST DATA.

(2) // SORTED DATES REPORTS, TYPE YES OR NO

?? (Type YES or NO)
(If YES, (3) will appear; otherwise (4) will appear)

(3) // TYPE REPORTS WANTED AS, DA, ETC., UP TO 15

?? (Type reports wanted. See Section IV, para 1, page 16, for the 15 choices)

// ONLY PAST DUE REPORT, TYPE YES OR NO

?? (Type YES or NO)

(4) // MILESTONE EXCEPTION REPORT, TYPE YES OR NO

?? (Type YES or NO)

(5) // TYPE NET, PO, VND, EO, CP, CF, FPN, HOL, CMT, OR NO
(Type Network Number, Purchase Order, Vendor, Equipment Symbol, Purchase Cost, Final Cost, Floating Point Number, Hollerith, Comment)

?? (Type appropriate code or NO for a special report)
(If NO, (8) will appear; otherwise (6) will appear)

(6) // TYPE ALL, AA, AS, MER, OR SEL
(Type ALL, Actual Award, Scheduled Award, Milestone Exception Report, Selection)

?? (Type appropriate code)
(If SEL, (7) will appear; otherwise (5) will appear)

(7) // TYPE item (Where item is one of the following, depending on the response to query (5) - NETWORK NUMBER, VENDOR NAME, HOLLERITH, COMMENT

?? (Type appropriate selection) (Example: JOHN DOE CO.)

// MORE SELECTIONS TYPE, YES OR NO

?? (Type YES or NO)
(If YES, (7) will appear; otherwise (5) will appear)

(8) //BYE//

```
--LOCAL FILES--
 $OUTPUT    *ODB          $INPUT      *PROFIL      *X
  ESR       COPYODB        NDB        COPYNDB
     STOP
     17.155 CP SECONDS EXECUTION TIME
```

Definition of the Local File Names

(*Means the file name is a permanent file)
$OUTPUT - File name for computer to user interface
*ODB - Old data base
$INPUT - File name user to computer interface
*PROFIL - Begin/Revert computer control card file name
*X - Executable file name
ESR - File which contains all the requested reports
COPYODB - Printable version of old data base
NDB - New data base
COPYNDB - Printable version of new data base

One may save the new data base (NDB) as a permanent file as follows:

```
COMMAND- CATALOG,NDB,****,ID=YYY.
         (**** = Permanent File Used to store new Data
         Base)
```

One may obtain printing of a file as follows:

```
COMMAND- ROUTE,XXX,DC=PR,TID=WW,ST=ZZ.

         (XXX - File name (ESR, COPYODB, COPYNDB
         WW  - Terminal ID
               (For example)
               C (Central Site)
               or BZ (Building 171)
         ZZ  - Computer System
               66B (Bldg 171)
               66B or 65I (Central Site))

COMMAND- LOGOUT.

CPA      25.920 SEC.        25.920 ADJ.
CPB        .002 SEC.          .002 ADJ.
SYS TIME                    39.288
EST. COST AT $390/HR. - $     4.25
CONNECT TIME     0 HRS.     7 MIN.
                 LOGGED OUT AT 09.47.40
```

IV. DATA BASE CHANGES

Using the following procedures the Old Data Base (ODB) can be updated and modified forming a New Data Base (NDB):

1. CHANGE OR ADD DATES TO 3 X 5 DATE MATRIX
(See pages 6 and 7)

	A	B	C	D	E	
MATRIX	AS	BS	CS	DS	ES	/Schedule
	AA	BA	CA	DA	EA	/Actual
	AC	BC	CC	DC	EC	/Critical

Profile	A	B	C	D	E
0	Award	Delivery	Transfer	CSTRT	CFNSH
1	Rehab	Transfer	Instl Start	Instl Complete	Debug
2	Rehab	Instl Start	Instl Complete	Transfer	Debug
3	Award	Delivery	Instl Start	Instl Complete	Debug

a. Dates are entered, month, year in four digits. For example, given profile 3, to record items with an Actual installation start (Column C) date of July 76 enter the following:

?? CA0776 (places 0776 in Column 3, Row 2.

NOTE: All items regardless of profile with the same date change in the matrix can be changed at the same time.

To place a blank in matrix position Column 2, Row 2:

leave date out and type BS

b. The appropriate equipment number is then requested.

// TYPE EQUIPMENT NUMBERS

?? (User enters equipment numbers associated with this date change) There are two options:

(1) Programmed for a maximum of 20, each separated by only a comma (Ex. 101,009,...,222) (three digits for each equipment number are required).

(2) Consecutive equipment numbers (Ex. 101-150) (all equipment numbers between 101 and 150 must exist).

NOTE: Each equipment number entered will have placed in its respective matrix position the date specified in (1a).

2. CHANGE OR ADD NETWORK NUMBERS

The network number is used to group items by a common node number. This node number can correspond to a critical path diagram or anything the user desires. The network number is a five digit integer.

?? NN

// TYPE NETWORK NUMBER COMMA EQUIPMENT NUMBERS

?? (User enters network number comma and maximum of 12 equipment numbers each separated only by a comma) (Ex. 67890,101,260,090,...,120)

3. CHANGE OR ADD DATES TO 3 X 5 DATE MATRIX BY NETWORK NUMBER

When every item with the same network number has the same change to the date matrix, the data base can be changed most expeditiously by using the Network Numbers.

The user enters N the column letter and the row letter (see para 1).

As an example

?? NAS

// TYPE NETWORK NUMBER COMMA DATE

?? (user enters Network Number, comma, date) (Ex. 67890,0878)

4. CHANGE OR ADD PURCHASE ORDER

a. Purchase Orders are 5 digit integer numbers. To enter Purchase Order 12345, enter the following:

?? P,12345

b. // TYPE EQUIPMENT NUMBERS

?? (User enters equipment numbers associated with this Purchase Order maximum of 20 each separated by a comma) (Ex. 101,020,230,...,105).

5. CHANGE OR ADD PURCHASE ORDER BY NETWORK NUMBER

When every item with the same network number has the same change to the purchase order, the data base can be changed most expeditiously by using the Network Numbers.

The user enters NP.

As an example

?? NP

//TYPE NETWORK NUMBER COMMA PURCHASE ORDER

?? (user enters Network Number, comma, purchase order) (Ex. 67890,12345)

6. CHANGE OR ADD VENDOR NAME

a. Vendor names are a maximum of 15 characters. To enter the Vendor name FABRICATORS INC enter the following:

?? V,FABRICATORS INC

b. // TYPE EQUIPMENT NUMBERS

?? (User enters equipment numbers associated with this Vendor maximum of 20 each separated by a comma) (Ex. 251,003,128,500,...,109)

7. CHANGE OR ADD VENDOR NAME BY NETWORK NUMBER

When every item with the same network number has the same change to the vendor name, the data base can be changed most expeditiously by using the Network Numbers.

The user enters NV.

As an example

?? NV

// TYPE NETWORK NUMBER COMMA VENDOR

?? (user enters Network Number, comma, vendor)
(Ex. 67890,FABRICATORS INC)

8. CHANGE OR ADD COSTS

There are three different types of costs:

N - Negotiated Cost
P - Purchase Order Cost
F - Final Cost

There are two options in changing costs:

a. Option 1: For changing costs by individual component items.

?? INC (or IPC,IFC)

// TYPE EQUIPMENT NUMBER COMMA COST

?? (User enters equipment number, comma, cost with decimal point) (Ex. 101,6.532) (cost can be maximum of 7 digits)

b. Option 2: For changing costs of items with consecutive equipment numbers.

?? MNC (or MPC,MFC)

// START-FINISH

?? (User enters first equipment number, dash, last equipment number) (Ex. 101-142).

(First five equipment numbers selected are printed out)

101,102,103,104,105

?? COSTS= (enter costs for corresponding equipment numbers each with a decimal point separated by a comma) (Ex. 6.925, 170., 1001.024, 0.936, 7.5)

(The next five equipment numbers selected are printed out)

106,107,108,109,110

?? COSTS= (enter costs)

(This continues until all equipment numbers selected are printed out)

141,142

?? COSTS= (enter costs)

9. CHANGE OR ADD STORED OR TEMPORARY COMMENT

Comments are a maximum of thirty characters that may be used for clarification, explanations or anything the user wishes. They are either stored (placed on NDB and ESR files) or temporary (placed on ESR file only).

a. There are two options in changing stored comments:

(1) Changing stored comment for one individual component item.

?? SCI

// TYPE EQUIPMENT NUMBER COMMA COMMENT

?? (User enters equipment number, comma, comment up to 30 characters) (Ex. 121, SAMPLE COMMENT)

(2) Stored comment for many items

?? SCM

// TYPE COMMENT

?? (user enters comment up to 30 characters) (Ex. THIS IS ANOTHER SAMPLE!!)

// TYPE EQUIPMENT NUMBERS

?? (User enters equipment numbers maximum of 20 each separated only by a comma) (Ex.701,225,007,...,190)

b. There is only one option in entering a temporary comment.

?? TCM

// TYPE COMMENT

?? (User enters comment up to 30 characters)
(Example: TEMPORARY COMMENT NOT ON NDB)

// TYPE EQUIPMENT NUMBERS

?? (User enters equipment numbers maximum of 20 each, separated only by a comma) (Example: 005,120,...,101)

10. CHANGE OR ADD STORED COMMENT BY NETWORK NUMBER

When every item with the same network number has the same change to the stored comment, the data base can be changed most expeditiously by using the Network Numbers.

The user enters NSC.

As an example:

?? NSC

// TYPE NETWORK NUMBER COMMA COMMENT

?? (user enters Network Number, comma, comment) (Example: 67890, SAMPLE COMMENT)

11. CHANGE OR ADD HOLLERITH

Holleriths are a maximum of TEN characters that have similar uses to stored comments (para 9, page 20), but are placed in another location in NDB and ESR and can be separately sorted. This provides the users with additional space for comments.

?? H,(Comment is entered here)

// TYPE EQUIPMENT NUMBERS

?? (user enters equipment numbers associated with this Hollerith maximum of 20 each, separated by a comma) (Example: 101,...,170)

NOTE: If Hollerith is N/A, the item is listed in Equipment Status Report and Data Base for information purposes only. The item is not included in graphical display, the specifically requested reports, or in any percentages and calculations.

12. CHANGE OR ADD HOLLERITH BY NETWORK NUMBER

When every item with the same network number has the same change to the Hollerith, the data base can be changed most expeditiously by using the Network Numbers.

The user enters NH.

As an example:

?? NH

// TYPE NETWORK NUMBER COMMA HOLLERITH

?? (user enters Network Number, comma, Hollerith)
(Example: 67890,COMMENT)

13. CHANGE OR ADD FLOATING POINT NUMBER

Floating point numbers are a maximum of 7 digits with a decimal point that provides another location for storage of cost data or other floating point number data. This number can be sorted, but cannot be used in any calculations.

?? FPN

// TYPE EQUIPMENT NUMBER COMMA FLOATING POINT NUMBER

?? (user enters equipment number, comma, number with decimal point) (Example: 101,6.532) (Number can be maximum of 7 digits)

14. CHANGES COMPLETE

?? END (return to Section III, page 11)

Summary

To Be Changed	Enter
Comments Stored (Individual or Many)	SCI, SCM
Comments Temporary (Many)	TCM
Costs Individual (Negotiated, Purchase, or Final)	INC, IPC, IFC
Costs Many (N, P or F)	MNC, MPC, MFC
Dates (Column A, Schedule, Actual, or Critical)	AS, AA, AC and Date
Dates (Col B, S, A or C)	BS, BA, BC and Date
Dates (Col C, S, A or C)	CS, CA, CC and Date
Dates (Col D, S, A or C)	DS, DA, DC and Date
Dates (Col E, S, A or C)	ES, EA, EC and Date
Floating Point Number	FPN
Hollerith	H,(enter comment)
Network Number	NN
Network Number to Change Dates	NAS, NBA, etc.
Network Number to Change Hollerith	NH
Network Number to Change Purchase Order	NP
Network Number to Change Stored Comment	NSC
Network Number to Change Vendor	NV
Purchase Order	P,(enter number)
Vendor	V,(vendor name)
When no more changes are to be made	END

V. SAMPLE OF DATA BASE CHANGES

To assist in the understanding of the way ESP is used to change the data base, a sample data base of one item is shown.

Figure 2 Shows the data base prior to making the changes.
Figure 3 Shows the interactive responses changing the data base.
Figure 4 Shows the data base after the changes have been made.

A summary of the 11 changes to the data base with Profile 3 are as follows:

Change 1 Replaced the Purchase Order Number 1005 with 12345.
Change 2 Replaced the Vendor Name John Doe Inc. with Fabricators Inc.
Change 3 Replaced Hollerith ECP TCM005 with NEW OUTPUT.
Change 4 Replaced Scheduled Award Date 0178 with 0976.
Change 5 Replaced Actual Award Date 0678 with 1176.
Change 6 Added Actual Install Start Date 0776.
Change 7 Deleted Critical Delivery Date 1278.
Change 8 Replaced Network Number 0 with 67890.
Change 9 Replaced Floating Point Number 0.000 with 11.111.
Change 10 Replaced Negociated Cost 10.215 with 22.222.
Change 11 Added the Stored Comment Stored Comment Individual.

For further clarification, Figure 5 will show the date matrix and associated changes isolated.

```
    1    1
76
TEST CASE EQUIPMENT STATUS REPORT
(TEST ESR)
GOVERNMENT ARMY AMMO PLANT
PROJ 575ZZZZ TEST CASE PLANT
DRDAR-MS-MSM  I.TEVIOVITZ     DRDAR-SC-SCN  J.BEVELOCK    DRDAR-MS-MSM  B.BARNETT
DRCPM-PBM-EE  T.CAGGIANO      DRCPM-PBM-EE  R.GOLDBERG    DRCPM-PBM-EE  A.E.LOHR
ESR NOMENCLATURE
IDENTIFICATION       DATES      COMMENTS
NO-EQUIPMENT NUMBER AWARD-AWARD(SCHED/ACT/CRIT)   S CMT-STORED COMMENTS
EQ-EQUIPMENT SYMBOL DLVRY-DELIVERY(SCHED/ACT/CRIT)CP CMT-COMPUTER COMMENTS
DESC-EQUIPMENT DESCRIPTION    ISTRT-INSTALL START(SCHED/ACT/CRIT)
PO-PURCHASE ORDER    ICOMP-INSTALL COMPLETE(SCHED/ACT/CRIT)  FPNUM INSTALL COST
VNDR-VENDOR NAME     DEBUG-DEBUG COMPLETE(SCHED/ACT/CRIT)    NET-NETWORK NUMBER
CN/CP/CF-COSTS(NEGO/BUDGET/FINREHAB-REHAB COMPLETE(SCHED/ACT/CRIT)
TRNSF-TRANSFER(SCHED/ACT/CRIT)
WET GUANIDINE NITRATE SECTION                  1 100  3
101XA-207A           CARBONATE TOWER      1005JOHN DOE INC.  ECP TCM005
0178 0278 0378       0578 0678 0778            1078 1178 1278 0179      0379
    0          0.000   10.215    0.000     0.000

..
```

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)

26

FIGURE 2

Data Base Prior To
Making the Changes

```
COMMAND- ETL,60

COMMAND- BEGIN,ESP,/TEVIOVITZ

// OLD DATA BASE (ODB) IS NOW BEING READ
// READY FOR USER'S CHANGES TO DATA BASE
(1) ??P,12345

// TYPE EQUIPMENT NUMBERS
??101

(2) ??V,FABRICATORS INC

// TYPE EQUIPMENT NUMBERS
??101

(3) ??H,NEW OUTPUT

// TYPE EQUIPMENT NUMBERS
??101

(4) ??AS0976

// TYPE EQUIPMENT NUMBERS
??101

(5) ??AA1176

// TYPE EQUIPMENT NUMBERS
??101
```

FIGURE 3

Interactive Responses Which Change the Data Base

```
??CA0776

// TYPE EQUIPMENT NUMBERS
??101

??BC

// TYPE EQUIPMENT NUMBERS
??101

??NN

//  TYPE NETWORK NUMBER COMMA EQUIPMENT NUMBERS
??67890,101

??FPN

// TYPE EQUIPMENT NUMBER COMMA FLOATING POINT NUMBER
??101,11.111

??INC

//  TYPE EQUIPMENT NUMBER COMMA COST
??101,22.222

??SCI

//  TYPE EQUIPMENT NUMBER COMMA COMMENT
??101,STORED COMMENT INDIVIDUAL

??END
```

FIGURE 3 (Continued)

```
    1    1
76
TEST CASE EQUIPMENT STATUS REPORT
(TEST ESR)
GOVERNMENT ARMY AMMO PLANT
PROJ 575ZZZZ TEST CASE PLANT
DRDAR-MS-MSM  I.TEVIOVITZ     DRDAR-SC-SCN  J.BEVELOCK    DRDAR-MS-MSM  B.BARNETT
DRCPM-PBM-EE  T.CAGGIANO      DRCPM-PBM-EE  R.GOLDBERG    DRCPM-PBM-EE  A.E.LOHR
ESR NOMENCLATURE
IDENTIFICATION       DATES     COMMENTS
NO-EQUIPMENT NUMBER AWARD-AWARD(SCHED/ACT/CRIT)   S CMT-STORED COMMENTS
EQ-EQUIPMENT SYMBOL DLVRY-DELIVERY(SCHED/ACT/CRIT)CP CMT-COMPUTER COMMENTS
DESC-EQUIPMENT DESCRIPTION    ISTRT-INSTALL START(SCHED/ACT/CRIT)
PO-PURCHASE ORDER    ICOMP-INSTALL COMPLETE(SCHED/ACT/CRIT)  FPNUM INSTALL COST
VNDR-VENDOR NAME     DEBUG-DEBUG COMPLETE(SCHED/ACT/CRIT)    NET-NETWORK NUMBER
CN/CP/CF-COSTS(NEGO/BUDGET/FINREHAB-REHAB COMPLETE(SCHED/ACT/CRIT)
TRNSF-TRANSFER(SCHED/ACT/CRIT)
WET GUANIDINE NITRATE SECTION                  1 100  3
101XA-207A           CARBONATE TOWER     12345FABRICATORS INCNEW OUTPUT
0976 0278 0378       0578 1178 0778 0776      1078 1178      0179      0379
67890         11.111    22.222    0.000      0.000STORED COMMENT INDIVIDUAL
```

FIGURE 4

Data Base After Changes
Have Been Made

BEFORE

	A	B	C	D	E
	0178 4	0278	0378		0578/Schedule
Equipment	0678 5	0778		6	1078/Actual
101	1178	1278 7	0179		0379/Critical

```
4   ??AS0976
    // TYPE EQUIPMENT NUMBERS
    ??101
5   ??AA1176
    // TYPE EQUIPMENT NUMBERS
    ??101
6   ??CA0776
    // TYPE EQUIPMENT NUMBERS
    ??101
7   ??BC
    // TYPE EQUIPMENT NUMBERS
    ??101
    ??END
```

AFTER

	A	B	C	D	E
	0976 4	0278	0378		0578/Schedule
Equipment	1176 5	0778	0776	6	1078/Actual
101	1178	7	0179		0379/Critical

FIGURE 5

Isolated Date Matrix

APPENDIX A

DATA BASE

DATA BASE

A card by card description of the data base follows:

Card No.	Column No.	Explanation	Example
1	5	Number of Entities	Process Areas (Max,9)
1	8-10	Number of Total Items	Equipment (Max,335)
2	1-2	Base Year (Initial Year)	77
3	1-80	Heading	Report Name
4	1-80	Heading	Abbreviated Report
5	1-80	Heading	Plant
6	1-80	Heading	Project Number/Title
7	1-80	Heading	Report Recipients
8	1-80	Heading	Report Recipients
9	1-20	Heading	ESR Nomenclature
10	1-20	Heading	Identification
10	21-30	Heading	Dates
10	31-40	Heading	Comments
11	1-20	Heading	NO - EQUIPMENT NUMBER
11	21-50	Heading	AWARD - AWARD (SCHED/ACT/CRIT)
11	51-80	Heading	S CMT - STORED COMMENTS
12	1-20	Heading	EQ - EQUIPMENT SYMBOL
12	21-50	Heading	DLVRY - DELIVERY (SCHED/ACT/CRIT)
12	51-80	Heading	CP CMT - COMPUTER COMMENTS
13	1-30	Heading	DESC - EQUIPMENT DESCRIPTION
13	31-70	Heading	ISTRT - INSTALL START (SCHED/ACT/CRIT)
13	71-80	Heading	BLANK
14	1-20	Heading	PO - PURCHASE ORDER
14	21-60	Heading	ICOMP - INSTALL COMPLETE (SCHED/ACT/CRIT)
14	61-80	Heading	FPNUM - INSTALL COST

Card No.	Column No.	Explanation	Example
15	1-20	Heading	VNDR - VENDOR NAME
15	21-60	Heading	DEBUG - DEBUG COMPLETE (SCHED/ACT/CRIT)
15	61-80	Heading	NET - NETWORK NODE
16	1-30	Heading	CN/CP/CF - COSTS (NEGO/BUDGET/FIN)
16	31-70	Heading	REHAB - REHAB COMPLETE (SCHED/ACT/CRIT)
16	71-80	Heading	BLANK
17	1-40	Heading	TRNSF - TRANSFER (SCHED/ACT/CRIT)
18	1-40	Entity Name	Process Area
18	43-45	Last Record Number in Building	25
18	48-50	Series (100, 200, etc)	200
18	53	Profiles selected (Milestone Columns, see Section II)	0,1,2 or 3

Card 18 is repeated for each process area. The user may change the Profile (Column 55) for each process area.

	Card No.	Column No.	Explanation	Abbr Used on Repts
	19	1-3	Equipment Number	NO.
	NOTE:	IF MORE THAN ONE PROFILE IS SELECTED FIRST SERIES MUST BE 100 AND NOT 000 AND FIRST EQUIPMENT NUMBER MUST BE 101		
	19	4-13	Equipment Symbol	EQ
	19	21-40	Equipment Description	DESCRP
*	19	41-45	Purchase Order	PO
	19	46-60	Vendor Name	VNDR
*	19	61-70	Hollerith	HOL
	NOTE:	IF HOLLERITH IS N/A, THE ITEM IS LISTED IN EQUIPMENT STATUS REPORT AND DATA BASE FOR INFORMATION PURPOSES ONLY. THE ITEM IS NOT INCLUDED IN GRAPHICAL DISPLAY, THE SPECIFICALLY REQUESTED REPORTS OR IN ANY PERCENTAGES AND CALCULATIONS.		

* 20	1-74	Date Matrix

All dates separated by a comma (Example: 0478,0579). Dates are in the following order

The five Scheduled dates are in Cols 1-25 (AS,BS,CS,DS,ES,).
The five Actual dates are in Cols 26-50 (AA,BA,CA,DA,EA,).
The five Critical dates are in Cols 51-74 (AC,BC,CC,DC,EC,).

CARD NO.	COLUMN NO.	EXPLANATION	ABBR USED ON REPTS
* 21	1-5	Network Number	NET
* 21	11-20	Floating Point Number	FPNUM
* 21	21-30	Negotiated Cost (Floating Point)	CN
* 21	31-40	Purchase Order Cost (Floating Point)	CP
* 21	41-50	Final Cost (Floating Point)	CF
* 21	51-80	Stored Comment	CMT

* Items that may be added or changed by ESP (the other items can be changed in Editor).

Cards 19-21 are repeated for every item.

An illustration of a data base is on pages 35-36. This data base is typically created with cards for batch mode operation.

```
   2  25
77
TEST CASE EQUIPMENT STATUS REPORT
(TEST ESR)
GOVERNMENT ARMY AMMO PLANT
PROJ 5752ZZZ TEST CASE PLANT
DRDAR-MS-MSM  I.TEVIOVITZ     DRDAR-SC-SCN  J.BEVELOCK    DRDAR-MS-MSM  B.BARNETT
DRCPM-PBM-EE  T.CAGGIANO      DRCPM-PBM-EE  R.GOLDBERG    DRCPM-PBM-EE  A.E.LOHR
ESR NOMENCLATURE
IDENTIFICATION       DATES      COMMENTS
NO-EQUIPMENT NUMBER AWARD-AWARD(SCHED/ACT/CRIT)   S CMT-STORED COMMENTS
EQ-EQUIPMENT SYMBOL DLVRY-DELIVERY(SCHED/ACT/CRIT)CP CMT-COMPUTER COMMENTS
DESC-EQUIPMENT DESCRIPTION    ISTRT-INSTALL START(SCHED/ACT/CRIT)
PO-PURCHASE ORDER   ICOMP-INSTALL COMPLETE(SCHED/ACT/CRIT)  FPNUM INSTALL COST
VNDR-VENDOR NAME    DEBUG-DEBUG COMPLETE(SCHED/ACT/CRIT)    NET-NETWORK NUMBER
CN/CP/CF-COSTS(NEGO/BUDGET/FINREHAB-REHAB COMPLETE(SCHED/ACT/CRIT)
TRNSF-TRANSFER(SCHED/ACT/CRIT)
WET GUANIDINE NITRATE SECTION                15  100  3
GENERAL SECTION                              25  200  2
101XA-207A           CARBONATE TOWER       1005JOHN DOE INC.  ECP TCM005
0278 0778 0279 0279      0278                                    0579
   0          10.215    17.067    17.067     0.000
102XA-214            WEAK ABSORBER         1032JOHN DOE INC.
0378 0778 0479 0479      1177 0478 0578                          0579
12345         18.327    20.305    20.305    20.690
103XA-215            STRONG ABSORBER       1032MANUFACTURER   ECP TCP002
0378 0778 0479 0479      0278                                    0579
12345          9.428    13.520    13.520     0.000
104XA-230-3          SULFUR STRIPPER       1032JOHN DOE INC.  ECP TCP002
0378 0778 0579 0579      0278                                    0579
   0          7.396    10.410    10.410     0.000
105XC-208            AIR BLOWER            1045MANUFACTURER   ECP TCM005
0478 0778 0579 0579 0679 0378                                    0579
   0          0.000     2.114     2.114     0.000
106XC-218-9          SEC FILT VACUUM PUMP     0
0678 0279 0379 0379 0679                                         0579
   0          0.000     6.921     0.000     0.000
107XC-219-9          PRIM FILT VACUM PMP      0
0278 0279 0379 0379 0679                                         0579
   0          0.000     6.805     0.000     0.000
108XC-219-11         FILTR TNK CO2 INJECT  1010MANUFACTURER   ECP TCM005
0478 1278 0379 0379 0679 1277 0478                               0579
   0          0.000     1.750     1.750     1.750INSTALL DELAY DUE TO SNOW
109XC-226-3          FILTRATE EXHAUST FAN  1035ABC COMPANY
0478 0778 0579 0579 0679 0378                                    0579
   0          0.000     3.577     3.577     0.000
110XC-229-2          NEUT EXHAUST FAN      1035ABC COMPANY
0478 0778 0479 0479 0679 0378                                    0579
   0          0.000     2.007     2.007     0.000
111XC-233-6          EVAP VACUUM SYS          0
0378 0479 0479 0579 0679                                         0579
   0          0.000    21.625     0.000     0.000
112XC-236-4          VACUUM EJECT SYS         0
0278 0479 0479 0579 0679                                         0579
   0          0.000     9.215     0.000     0.000
113XE-207-3          CARBONATE LIQ COOLER  1006ABC COMPANY
0278 0778 1278 1278 0679 1277                                    0179
55555          0.000     7.280     7.280     0.000
114XE-207-9          CARBONATE LIQ COOLER  1006ABC COMPANY
0278 0778 1278 1278 0679 0278                                    0179
55555          0.000     7.280     7.280     0.000
```

```
115XE-214-3          WEAK AQUA COOLER      1006ABC COMPANY
0278 0778 1278 1278       1277                                    0179
55555           0.000      3.400      3.400      0.000
201XJ-514            REFRIGERATION SYSTEM 1111FIX IT UP       ECP TCP002
0378 0279 0279 0379 0679 0478 0478                                0679
55555           0.000      1.215      1.213      1.213INSTALL DELAY DUE TO SNOW
202XP-514-2A-        CHILLED WATER PUMPS      0
0378 0379 0279 0379 0679                                          0679
55555           0.000       .908      0.000      0.000
203XT-514-3          CHILL WATER EXP TANK 1111REPAIRS INC     ECP TCP002
0378 0379 0379 0379       0478                                    0679
55555           0.000      1.516      1.704      1.704
204XD-601            COOLING TOWER         1000REPAIRS INC
0478            0479 0679 1277                                    0679
55555           6.721      9.907      9.873      9.873FIELD CONSTRUCTED
205XK-602            AIR COMPRESSOR        1000FIX IT UP       ECP TCM005
0478 1078 1078 1078 0479 0178 0278                                0179
   0            0.000       .321       .305       .305INSTALL DELAY DUE TO SNOW
206XA-603            AIR DRYER                0
0578 1178 1178 1178                                               0179
   0            0.000      2.421      0.000      0.000
207XP-601-2A-        COOLING TOWER PUMPS   1000REPAIRS INC
0478            0479 0679 0178                                    0679
55555           0.000       .871       .869       .869FIELD CONSTRUCTED
208XS-601-3          SAND FILTER              0

   0            0.000       .191      0.000      0.000ITEM TO BE DELETED FROM SOW
209XT-602-2          AIR RECEIVER          1050IN HOUSE
0578 1178 1278 1278       1177 1277 0578                          0179
   0            0.000       .325       .325       .325
210XE-701-4          AMM NITRATE HEATER    1050IN HOUSE       ECP TCM005
                          1177 1277                               0179
   0            0.000       .690       .691       .691INSTALL DELAY DUE TO SNOW
```

APPENDIX B

EQUIPMENT STATUS REPORT (ESR)

EQUIPMENT STATUS REPORT (ESR)

The information on the first page of ESR is from Data Base Lines 3-18. The second and subsequent pages are as follows:

Line No.	Column No.	Explanation
1-3	1-80	Line Nos. 6-8 from Data Base
4	54-94	Process Area (From Line 18, column 1-40 on Data Base)
5	1-120	Heading for ESR
6	2-4	Equipment Number
6	6-15	Equipment Symbol
6	27-36	Negotiated Cost
6	38-68	Scheduled Dates
6	69-109	Stored Comment (or Temporary Comment)
7	6-25	Equipment Descriptions
7	27-35	Purchase Order Cost
7	38-68	Actual Dates
7	69-109	Computer Generated Comment
8	6-10	Purchase Order
8	11-25	Vendor Name
8	27-36	Final Cost
8	38-68	Critical Dates
8	69-73	Network Number
8	78-87	Floating Point Number
8	88-97	Hollerith
9	Blank	Skip Line

Line Nos. 6-9 repeated 13 per page.
Line Nos. 4-9 repeated until every item in process area is printed.
Line Nos. 1-9 repeated until every item is printed.

Computer Generated Comments in ESR

The comment generated depends on the profile selected (line no. 18, col 55 of Data Base). See Section II for Dates Matrix entries (AA,BS,...) and Profiles.

Situation	Profile	Comment
AA is blank (has no date)	0,3	ITEM NOT AWARDED
	1,2	REHAB NOT COMPLETE
AA has a date and BA is blank	0,3	No comment generated
	1	REHAB COMPLETE, AWAIT CE TRANSFER
	2	REHAB COMPLETE, AWAIT INSTALL
AA,BA have dates on CA is blank	0	ON SITE, AWAIT CE TRANSFER
	1	AAP TRANSFER TO CE COMPLETE
	2	INSTALLATION STARTED
	3	ON SITE, AWAIT INSTALLATION
AA,BA,CA have dates and DA is blank	0	AAP TRANSFER TO BE COMPLETE
	1,3	INSTALLATION STARTED
	2	INSTALLATION COMPLETE, AWAIT CE TRANSFER
AA,BA,CA,DA have dates and EA is blank	0,2	AAP TRANSFER TO CE COMPLETE
	1,3	INSTALLATION COMPLETE
AA,BA,CA,DA,EA have dates	0	AAP TRANSFER TO CE COMPLETE
	1,2,3	DEBUG COMPLETE

TEST CASE EQUIPMENT STATUS REPORT
(TEST ESR)

DATE 06/02/78
PROJ 575ZZZZ TEST CASE PLANT

GOVERNMENT ARMY AMMO PLANT

DRDAR-MS-MSM	I.TEVIOVITZ	DRDAR-SC-SCN	J.BEVELOCK	DRDAR-MS-MSM	B.BARNETT
DRCPM-PBM-EE	T.CAGGIANO	DRCPM-PBM-EE	R.GOLDBERG	DRCPM-PBM-EE	A.E.LOHR

ESR NOMENCLATURE

IDENTIFICATION	DATES	COMMENTS
NO-EQUIPMENT NUMBER	AWARD-AWARD(SCHED/ACT/CRIT)	S CMT-STORED COMMENTS
EQ-EQUIPMENT SYMBOL	DLVRY-DELIVERY(SCHED/ACT/CRIT)	CP CMT-COMPUTER COMMENTS
DESC-EQUIPMENT DESCRIPTION	ISTRT-INSTALL START(SCHED/ACT/CRIT)	
PO-PURCHASE ORDER	ICOMP-INSTALL COMPLETE(SCHED/ACT/CRIT)	FPNUM INSTALL COST
VNDR-VENDOR NAME	DEBUG-DEBUG COMPLETE(SCHED/ACT/CRIT)	NET-NETWORK NUMBER
CN/CP/CF-COSTS(NEGO/BUDGET/FIN	REHAB-REHAB COMPLETE(SCHED/ACT/CRIT)	
	TRNSF-TRANSFER(SCHED/ACT/CRIT)	

BUILDING NAME	LAST RECORD NO.	SERIES
WET GUANIDINE NITRATE SECTION	15	100
GENERAL SECTION	25	200

PROJ 575ZZZZ TEST CASE PLANT

DRDAR-MS-MSM I.TEVIOVITZ DRDAR-SC-SCN J.BEVELOCK DRDAR-MS-MSM B.BARNETT
DRCPM-PBM-EE T.CAGGIANO DRCPM-PBM-EE R.GOLDBERG DRCPM-PBM-EE A.E.LOHR

WET GUANIDINE NITRATE SECTION

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
101*XA-207A	17.067	0278	0778	0279	0279							
*CARBONATE TOWER	17.067	0278										
* 1005JOHN DOE INC.	0.000				0579			0		10.215ECP	TCM005	
102*XA-214	20.305	0378	0778	0479	0479							
*WEAK ABSORBER	20.305	1177	0478	0578				INSTALLATION STARTED				
* 1032JOHN DOE INC.	20.690				0579			12345		18.327		
103*XA-215	13.520	0378	0778	0479	0479							
*STRONG ABSORBER	13.520	0278										
* 1032MANUFACTURER	0.000				0579			12345		9.428ECP	TCP002	
104*XA-230-3	10.410	0378	0778	0579	0579							
*SULFUR STRIPPER	10.410	0278										
* 1032JOHN DOE INC.	0.000				0579			0		7.396ECP	TCP002	
105*XC-208	2.114	0478	0778	0579	0579	0679						
*AIR BLOWER	2.114	0378										
* 1045MANUFACTURER	0.000				0579			0		0.000ECP	TCM005	
106*XC-218-9	6.921	0678	0279	0379	0379	0679						
*SEC FILT VACUUM PUMP	0.000							ITEM NOT AWARDED				
* 0	*0.000*				0579			0		0.000		
107*XC-219-9	6.805	0278	0279	0379	0379	0679						
*PRIM FILT VACUM PMP	0.000							ITEM NOT AWARDED				
* 0	0.000				0579			0		0.000		
108*XC-219-11	1.750	0478	1278	0379	0379	0679		INSTALL DELAY DUE TO SNOW				
*FILTR TNK CO2 INJECT	1.750	1277	0478					ON SITE AWAIT INSTALLATION				
* 1010MANUFACTURER	1.750				0579			0		0.000ECP	TCM005	
109*XC-226-3	3.577	0478	0778	0579	0579	0679						
*FILTRATE EXHAUST FAN	3.577	0378										
* 1035ABC COMPANY	0.000				0579			0		0.000		
110*XC-229-2	2.007	0478	0778	0479	0479	0679						
*NEUT EXHAUST FAN	2.007	0378										
* 1035ABC COMPANY	0.000				0579			0		0.000		
111*XC-233-6	21.625	0378	0479	0479	0579	0679						
*EVAP VACUUM SYS	0.000							ITEM NOT AWARDED				
* 0	0.000				0579			0		0.000		
112*XC-236-4	9.215	0278	0479	0479	0579	0679						
*VACUUM EJECT SYS	0.000							ITEM NOT AWARDED				
* 0	0.000				0579			0		0.000		
113*XE-207-3	7.280	0278	0778	1278	1278	0679						
*CARBONATE LIQ COOLER	7.280	1277										
* 1006ABC COMPANY	0.000				0179			55555		0.000		

WET GUANIDINE NITRATE SECTION

NO.	EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
114	XE-207-9	7.280	0278	0778	1278	1278	0679						
	CARBONATE LIQ COOLER	7.280	0278										
	1006ABC COMPANY	0.000				0179			55555	0.000			
115	XE-214-3	3.400	0278	0778	1278	1278							
	WEAK AQUA COOLER	3.400	1277										
	1006ABC COMPANY	0.000				0179			55555	0.000			

PROJ 575ZZZZ TEST CASE PLANT

DRDAR-MS-MSM I.TEVIOVITZ DRDAR-SC-SCN J.BEVELOCK DRDAR-MS-MSM B.BARNETT
DRCPM-PBM-EE T.CAGGIANO DRCPM-PBM-EE R.GOLDBERG DRCPM-PBM-EE A.E.LOHR

GENERAL SECTION

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	REHAB	ISTRT	ICOMP	TRNSF	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
201 XJ-514	1.215	0378	0279	0279	0379	0679		INSTALL DELAY DUE TO SNOW				
REFRIGERATION SYSTEM	1.213	0478	0478					INSTALLATION STARTED				
1111FIX IT UP	1.213				0679			55555		0.000	ECP	TCP002
202 XP-514-2A-	.908	0378	0379	0279	0379	0679						
CHILLED WATER PUMPS	0.000							REHAB NOT COMPLETE				
0	0.000				0679			55555		0.000		
203 XT-514-3	1.516	0378	0379	0379	0379							
CHILL WATER EXP TANK	1.704	0478						REHAB COMPLETE AWAIT INSTALL				
1111REPAIRS INC	1.704				0679			55555		0.000	ECP	TCP002
204 XD-601	9.907	0478			0479	0679		FIELD CONSTRUCTED				
COOLING TOWER	9.873	1277						REHAB COMPLETE AWAIT INSTALL				
1000REPAIRS INC	9.873				0679			55555		6.721		
205 XK-602	.321	0478	1078	1078	1078	0479		INSTALL DELAY DUE TO SNOW				
AIR COMPRESSOR	.305	0178	0278					INSTALLATION STARTED				
1000FIX IT UP	.305				0179			0		0.000	ECP	TCM005
206 XA-603	2.421	0578	1178	1178	1178							
AIR DRYER	0.000							REHAB NOT COMPLETE				
0	0.000				0179			0		0.000		
207 XP-601-2A-	.871	0478			0479	0679		FIELD CONSTRUCTED				
COOLING TOWER PUMPS	.869	0178						REHAB COMPLETE AWAIT INSTALL				
1000REPAIRS INC	.869				0679			55555		0.000		
208 XS-601-3	.191							ITEM TO BE DELETED FROM SOW				
SAND FILTER	0.000							REHAB NOT COMPLETE				
0	0.000							0		0.000		
209 XT-602-2	.325	0578	1178	1278	1278							
AIR RECEIVER	.325	1177	1277	0578				INSTALL COMP,AWAIT CE TRANSFER				
1050IN HOUSE	.325				0179			0		0.000		
210 XE-701-4	.690							INSTALL DELAY DUE TO SNOW				
AMM NITRATE HEATER	.691	1177	1277					INSTALLATION STARTED				
1050IN HOUSE	.691				0179			0		0.000	ECP	TCM005

APPENDIX C

GRAPHICAL DISPLAY

GRAPHICAL DISPLAY

Line No.	Column	Explanation
1		Process Area (From Line 18, Column 1-40 in Data Base)
2		Heading for Graphical Display
3		One Letter Symbol for Months
4		Two Number Symbol for Months
5		Blank
6	1-3	Equipment Number
6	5-24	Equipment Description
6	28-124	Characters are placed in the appropriate months in the graphical display.
6	125-134	Computer generated comments

Line 6 repeated 50 per page.
Lines 1-6 repeated until every item is printed.

Characters Used in Graphical Display

Schedule	Actual	Critical		Profile No./Explanation 0	1	2	3
A	1	V	/	Award	Rehab	Rehab	Award
B	2	W	/	Deliv	Trans	Instl Start	Deliv
C	3	X	/	Trans	Instl Start	Instl Comp	Instl Start
D	4	Y	/	CSTRT	Instl Comp	Trans	Instl Comp
E	5	Z	/	CFNSH	Debug	Debug	Debug

Computer Generated Comments in Graphical Display

Situation	Profile	Comment
AA is blank	0,3	NO AWARD
	1,2	NO REHAB

Situation	Profile	Comment
AA has date and BA is blank	0,1,2,3	C:a D:b Where a is the time between B and C Where b is the time between B and D

Note: A period will appear as a separator ":" except when the time difference is less than six months an "=" appears. If less than three months, a "**" also appears in the right margin.

Situation	Profile	Comment
AA,BA have dates and CA is blank	0,3	ON SITE
	1	CE TRANS
	2	INST STRT
AA,BA,CA have dates and DA is blank	0	COMPLETE
	1,3	INST STRT
	2	INST COMP
AA,BA,CA,DA have dates and EA is blank	0	COMPLETE
	1,3	INST COMP
	2	CE TRANS
AA,BA,CA,DA and EA have dates	0,1,2,3	COMPLETE

If scheduled dates are not in correct sequence, the following comments are generated:

			Meaning
DS Less than CS	0	CRITLTTRAN	Critical Date is less than transfer date
	1,3	ICMPLTISTR	Installation Complete Date less than installation start date
	2	TRANLTICMP	Transfer Date is less than Installation complete date

Situation	Profile	Comment	
DS Less than BS	0	CRITLTDELV	Critical Date is less than delivery date
	1	ICOMLTTRAN	Installation Complete Date is less than transfer date
	2	TRANLTISTR	Transfer Date is less than installation start Date
	3	ICOMLTDELV	Installation Complete Date is less than Delivery Date
CS Less than BS	0	TRANLTDELV	Transfer Date is less than Delivery Date
	1	ISTRLTTRAN	Installation Start is less than transfer Date
	2	ICOMLTISTR	Installation Complete Date is less than installation start date
	3	ISTRLTDELV	Installation Start is less than Delivery Date

WET GUANIDINE NITRATE SECTION

NO.	DESCRIPTION	1977 J J A S O N D	1978 J F M A M J J A S O N D	1979 J F M A M J J A S O N D	1980 J F M A M J J A S O N D	1981 J F M A M	COMMENT 06/02/78
101	CARBONATE TOWER	. + . 1 +	.B**********D + Y .	+ . + . + . +	C. 7 D. 7
102	WEAK ABSORBER	. + 1 . +2 3	. + . +D Y .	+ . + . + . +	INST STRT
103	STRONG ABSORBER	. + . 1 +	.B**********D Y .	+ . + . + . +	C. 9 D. 9
104	SULFUR STRIPPER	. + . 1 +	.B**********DY .	+ . + . + . +	C.10 D.10
105	AIR BLOWER	. + . 1+	.B**********DYE.	+ . + . + . +	C.10 D.10
106	SEC FILT VACUUM PUMP	. + . +	A. + . B+D+ YE.	+ . + . + . +	NO AWARD
107	PRIM FILT VACUM PMP	. + . A +	. + . B+D+ YE.	+ . + . + . +	NO AWARD
108	FILTR TNK CO2 INJECT	. + 1. +2	. + . D+ YE.	+ . + . + . +	ON SITE
109	FILTRATE EXHAUST FAN	. + . 1+	.B**********DYE.	+ . + . + . +	C.10 D.10
110	NEUT EXHAUST FAN	. + . 1+	.B**********D YE.	+ . + . + . +	C. 9 D. 9
111	EVAP VACUUM SYS	. + . A+	. + . +C DYE.	+ . + . + . +	NO AWARD
112	VACUUM EJECT SYS	. + . A +	. + . +C DYE.	+ . + . + . +	NO AWARD
113	CARBONATE LIQ COOLER	. + 1. +	.B*********D. Y + E.	+ . + . + . +	C= 5 D= 5
114	CARBONATE LIQ COOLER	. + . 1 +	.B*********D. Y + E.	+ . + . + . +	C= 5 D= 5
115	WEAK AQUA COOLER	. + 1. +	.B*********D. Y + .	+ . + . + . +	C= 5 D= 5

GENERAL SECTION

NO.	DESCRIPTION	1977 J J A S O N D	1978 J F M A M J J A S O N D	1979 J F M A M J J A S O N D	1980 J F M A M J J A S O N D	1981 J F M A M	COMMENT 06/02/78
201	REFRIGERATION SYSTEM	. + .	+2 . + .	C D+ EY + . + . + . +			
202	CHILLED WATER PUMPS	. + .	A+ . + .	C D+ EY + . + . + . +			INST STRT
203	CHILL WATER EXP TANK	. + .	+1 . + .	D+ Y + . + . + . +			ICOMLTIST
204	COOLING TOWER	. + 1.	+ . + .	+D EY + . + . + . +			C= 0 D= 0
205	AIR COMPRESSOR	. + .1 2	+ . +D . Y	+E . + . + . + . +			TRANLTICM
206	AIR DRYER	. + .	+ A . + D . Y	+ . + . + . + . +			INST STRT
207	COOLING TOWER PUMPS	. + .1	+ . + .	+D EY + . + . + . +			NO REHAB
208	SAND FILTER	. + .	+ . + .	+ . + . + . + . +			TRANLTICM
209	AIR RECEIVER	. + 1 2.	+ 3 . + D. Y	+ . + . + . + . +			NO REHAB
210	AMM NITRATE HEATER	. + 1 2.	+ . + . Y	+ . + . + . + . +			INST COMP
							INST STRT

APPENDIX D

SORTED DATES REPORTS (SDR)

Sorted Dates Reports (SDR)

For the SDR Format, line 1 is the same as line 1 of the ESR. Line 2 is blank. Line 3 is the title which is:

+++ ZZ SORTED DATES REPORTS +++

Where ZZ is the specific report selected (i.e. SCHEDULED DELIVERY, ACTUAL INST START, CRITICAL DEBUG) (when there is more than one profile number in the data base the two letter symbol is used (i.e. SCHEDULED BS, ACTUAL CA, CRITICAL EC).

ESR Format. Line 4 is blank. The rest of SDR format follows. The items are listed in order of dates and grouped by profile number. If a Schedule or Critical listing is selected items with an actual date are not included in the listing.

The computer generated comments are the same as the Milestone Exception Report (see Appendix E).

PROJ 575ZZZZ TEST CASE PLANT

+++ ACTUAL AA SORTED DATES REPORT +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
102*XA-214	20.305	378	778	479	479	0 0						
*WEAK ABSORBER	20.305	1177	478	578	0 0	0 0		CRIT SCHED	INSTALL COMPLETE			
* 1032JOHN DOE INC.	20.690	0 0	0 0	0 0	579	0 0		12345	18.327			
108*XC-219-11	1.750	478	1278	379	379	679		INSTALL DELAY DUE TO SNOW				
*FILTR TNK CO2 INJECT	1.750	1277	478	0 0	0 0	0 0						
* 1010MANUFACTURER	1.750	0 0	0 0	0 0	579	0 0		0	0.000	ECP TCM005		
113*XE-207-3	7.280	278	778	1278	1278	679						
*CARBONATE LIQ COOLER	7.280	1277	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0 0		55555	0.000			
115*XE-214-3	3.400	278	778	1278	1278	0 0						
*WEAK AQUA COOLER	3.400	1277	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0 0		55555	0.000			
114*XE-207-9	7.280	278	778	1278	1278	679						
*CARBONATE LIQ COOLER	7.280	278	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0 0		55555	0.000			
104*XA-230-3	10.410	378	778	579	579	0 0						
*SULFUR STRIPPER	10.410	278	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1032JOHN DOE INC.	0.000	0 0	0 0	0 0	579	0 0		0	7.396	ECP TCP002		
101*XA-207A	17.067	278	778	279	279	0 0						
*CARBONATE TOWER	17.067	278	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1005JOHN DOE INC.	0.000	0 0	0 0	0 0	579	0 0		0	10.215	ECP TCM005		
103*XA-215	13.520	378	778	479	479	0 0						
*STRONG ABSORBER	13.520	278	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1032MANUFACTURER	0.000	0 0	0 0	0 0	579	0 0		12345	9.428	ECP TCP002		
110*XC-229-2	2.007	478	778	479	479	679						
*NEUT EXHAUST FAN	2.007	378	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1035ABC COMPANY	0.000	0 0	0 0	0 0	579	0 0		0	0.000			
109*XC-226-3	3.577	478	778	579	579	679						
*FILTRATE EXHAUST FAN	3.577	378	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1035ABC COMPANY	0.000	0 0	0 0	0 0	579	0 0		0	0.000			
105*XC-208	2.114	478	778	579	579	679						
*AIR BLOWER	2.114	378	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
* 1045MANUFACTURER	0.000	0 0	0 0	0 0	579	0 0		0	0.000	ECP TCM005		

PROJ 5752ZZZ TEST CASE PLANT

+++ ACTUAL AA SORTED DATES REPORT +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	REHAB	ISTRT	ICOMP	TRNSF	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
209*XT-602-2	.325	578	1178	1278	1278	0 0						
*AIR RECEIVER	.325	1177	1277	578	0 0	0 0		CRIT SCHEDCE TRANSFER				
* 1050IN HOUSE	.325	0 0	0 0	0 0	179	0 0		0		0.000		
210*XE-701-4	.690	0 0	0 0	0 0	0 0	0 0		INSTALL DELAY DUE TO SNOW				
*AMM NITRATE HEATER	.691	1177	1277	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
* 1050IN HOUSE	.691	0 0	0 0	0 0	179	0 0		0		0.000	ECP	TCM005
204*XD-601	9.907	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
*COOLING TOWER	9.873	1277	0 0	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
* 1000REPAIRS INC	9.873	0 0	0 0	0 0	679	0 0		55555		6.721		
205*XK-602	.321	478	1078	1078	1078	479		INSTALL DELAY DUE TO SNOW				
*AIR COMPRESSOR	.305	178	278	0 0	0 0	0 0						
* 1000FIX IT UP	.305	0 0	0 0	0 0	179	0 0		0		0.000	ECP	TCM005
207*XP-601-2A-	.871	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
*COOLING TOWER PUMPS	.869	178	0 0	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
* 1000REPAIRS INC	.869	0 0	0 0	0 0	679	0 0		55555		0.000		
203*XT-514-3	1.516	378	379	379	379	0 0						
*CHILL WATER EXP TANK	1.704	478	0 0	0 0	0 0	0 0						
* 1111REPAIRS INC	1.704	0 0	0 0	0 0	679	0 0		55555		0.000	ECP	TCP002
201*XJ-514	1.215	378	279	279	379	679		INSTALL DELAY DUE TO SNOW				
*REFRIGERATION SYSTEM	1.213	478	478	0 0	0 0	0 0						
* 1111FIX IT UP	1.213	0 0	0 0	0 0	679	0 0		55555		0.000	ECP	TCP002

PROJ 575ZZZZ TEST CASE PLANT

+++ SCHEDULED BS SORTED DATES REPORT +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
101 XA-207A	17.067	278	778	279	279	0	0				
CARBONATE TOWER	17.067	278	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1005JOHN DOE INC.	0.000	0 0	0 0	0 0	579	0	0	0	10.215	ECP	TCM005
103 XA-215	13.520	378	778	479	479	0	0				
STRONG ABSORBER	13.520	278	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1032MANUFACTURER	0.000	0 0	0 0	0 0	579	0	0	12345	9.428	ECP	TCP002
104 XA-230-3	10.410	378	778	579	579	0	0				
SULFUR STRIPPER	10.410	278	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1032JOHN DOE INC.	0.000	0 0	0 0	0 0	579	0	0	0	7.396	ECP	TCP002
105 XC-208	2.114	478	778	579	579	679					
AIR BLOWER	2.114	378	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1045MANUFACTURER	0.000	0 0	0 0	0 0	579	0	0	0	0.000	ECP	TCM005
109 XC-226-3	3.577	478	778	579	579	679					
FILTRATE EXHAUST FAN	3.577	378	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1035ABC COMPANY	0.000	0 0	0 0	0 0	579	0	0	0	0.000		
110 XC-229-2	2.007	478	778	479	479	679					
NEUT EXHAUST FAN	2.007	378	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1035ABC COMPANY	0.000	0 0	0 0	0 0	579	0	0	0	0.000		
113 XE-207-3	7.280	278	778	1278	1278	679					
CARBONATE LIQ COOLER	7.280	1277	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0	0	55555	0.000		
114 XE-207-9	7.280	278	778	1278	1278	679					
CARBONATE LIQ COOLER	7.280	278	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0	0	55555	0.000		
115 XE-214-3	3.400	278	778	1278	1278	0	0				
WEAK AQUA COOLER	3.400	1277	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY			
1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0	0	55555	0.000		
107 XC-219-9	6.805	278	279	379	379	679					
PRIM FILT VACUM PMP	0.000	0 0	0 0	0 0	0 0	0	0	AWARD PAST DUE			
0	0.000	0 0	0 0	0 0	579	0	0	0	0.000		
106 XC-218-9	6.921	678	279	379	379	679					
SEC FILT VACUUM PUMP	0.000	0 0	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED AWARD			
0	0.000	0 0	0 0	0 0	579	0	0	0	0.000		
111 XC-233-8	21.625	378	479	479	579	679					
EVAP VACUUM SYS	0.000	0 0	0 0	0 0	0 0	0	0	AWARD PAST DUE			
0	0.000	0 0	0 0	0 0	579	0	0	0	0.000		
112 XC-236-4	9.215	278	479	479	579	679					
VACUUM EJECT SYS	0.000	0 0	0 0	0 0	0 0	0	0	AWARD PAST DUE			
0	0.000	0 0	0 0	0 0	579	0	0	0	0.000		

PROJ 575ZZZZ TEST CASE PLANT

+++ SCHEDULED BS SORTED DATES REPORT +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	REHAB	ISTRT	ICOMP	TRNSF	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
206*XA-603	2.421	578	1178	1178	1178	0 0						
*AIR DRYER	0.000	0 0	0 0	0 0	0 0	0 0		REHAB PAST DUE				
* 0	0.000	0 0	0 0	0 0	179	0 0		0		0.000		
203*XT-514-3	1.516	378	379	379	379	0 0						
*CHILL WATER EXP TANK	1.704	478	0 0	0 0	0 0	0 0						
* 1111REPAIRS INC	1.704	0 0	0 0	0 0	679	0 0		55555		0.000	ECP	TCP002
202*XP-514-2A-	.908	378	379	279	379	679						
*CHILLED WATER PUMPS	0.000	0 0	0 0	0 0	0 0	0 0		REHAB PAST DUE				
* 0	0.000	0 0	0 0	0 0	679	0 0		55555		0.000		
207*XP-601-2A-	.871	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
*COOLING TOWER PUMPS	.869	178	0 0	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
* 1000REPAIRS INC	.869	0 0	0 0	0 0	679	0 0		55555		0.000		
208*XS-601-3	.191	0 0	0 0	0 0	0 0	0 0		ITEM TO BE DELETED FROM SOW				
*SAND FILTER	0.000	0 0	0 0	0 0	0 0	0 0		REHAB NOT SCHEDULED				
* 0	0.000	0 0	0 0	0 0	0 0	0 0		0		0.000		
204*XD-601	9.907	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
*COOLING TOWER	9.873	1277	0 0	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
* 1000REPAIRS INC	9.873	0 0	0 0	0 0	679	0 0		55555		6.721		

APPENDIX E

MILESTONE EXCEPTION REPORT (MER)

Milestone Exception Report (MER)

The MER format is the same as the SDR format except line 3 which is:

+++ MILESTONE EXCEPTION REPORT +++

The items are listed in order of equipment number except only items with a computer generated comment are listed. As in ESR the items are grouped by process area.

Computer Generated Comments in MER

The Comments generated are listed in order of priority and depends on the profile selected.

	Situation	Profile	Comments
1)	AA is blank (has no date) and BS or BC less than AS	0,3	PRIORITY AWARD DELIVERY
		1	PRIORITY REHAB TRANSFER
		2	PRIORITY REHAB INSTALL START
2)	AA is blank and AC less than current month	0,3	CRITICAL AWARD PAST DUE
		1,2	CRITICAL REHAB PAST DUE
3)	AA is blank and AS less than current month	0,3	AWARD PAST DUE
		1,2	REHAB PAST DUE
4)	AA and AS are blank	0,3	AWARD NOT SCHEDULED
		1,2	REHAB NOT SCHEDULED
5)	AA is blank and AC within 2 months of current month	0,3	NEAR TERM CRITICAL AWARD
		1,2	NEAR TERM CRITICAL REHAB
6)	AA is blank and AS within 2 months of current month	0,3	NEAR TERM SCHEDULED AWARD
		1,2	NEAR TERM SCHEDULED REHAB

Situation	Profile	Comments
7) AA is blank and AC within 2 months of AS	0,3	CRITICAL SCHEDULED AWARD
	1,2	CRITICAL SCHEDULED REHAB
8) BA is blank and CC or CS less than BS	0	PRIORITY DELIVERY TRANSFER
	1	PRIORITY TRANSFER INSTALL START
	2	PRIORITY INSTALL START/COMPL
	3	PRIORITY DELIVERY INSTALL START
9) CA is blank and DC or DS less than CS	0	CONTR START PRIOR TRANSFER
	1,3	PRIORITY INSTALL START/COMPL
	2	PRIORITY INSTALL COMPL TRANSFER
10) DA is blank and ES or EC less than DS	0	CHECK CONTRACTOR DATA
	1,3	PRIORITY INSTALL COMPL DEBUG
	2	PRIORITY TRANSFER DEBUG
11) AA has date, BA is blank and BC less than current month	0,3	CRITICAL DELIVERY PAST DUE
	1	CRITICAL CE TRANSFER PAST DUE
	2	CRITICAL INSTALLATION PAST DUE
12) AA has date, BA is blank and BS less than current month	0,3	DELIVERY PAST DUE
	1	CE TRANSFER PAST DUE
	2	INSTALLATION START PAST DUE
13) AA has date, BA is blank and BC within 2 months of current month	0,3	NEAR TERM CRITICAL DELIVERY
	1	NEAR TERM CRITICAL TRANSFER
	2	NEAR TERM INSTALLATION START
14) AA has date, BA is blank and BS within 2 months of current month	0,3	NEAR TERM SCHEDULED DELIVERY
	1	NEAR TERM CE TRANSFER
	2	NEAR TERM INSTALLATION START
15) AA has date, BA is blank and BC within 2 months of BS	0,3	CRITICAL SCHEDULED DELIVERY
	1	CRITICAL SCHEDULED CE TRANSFER
	2	CRITICAL SCHEDULED INSTAL STRT
16) AA and BA have dates, CA is blank and CC less than current month	0	TRANSFER DELAY
	1,3	CRITICAL INSTAL STRT PAST DUE
	2	CRIT INSTAL COMPLETE PAST DUE

	Situation	Profile	Comments
17)	AA and BA have dates, CA is blank and CS less than current month	0 1,3 2	TRANSFER DELAY INSTALL START PAST DUE INSTALL COMPL PAST DUE
18)	AA and BA have dates, CA is blank and CC within 2 months of current month	0 1,3 2	NEAR TERM TRANSFER NEAR TERM CRIT INSTALL START NEAR TERM CRIT INSTALL COMP
19)	AA and BA have dates, CA is blank and CS within 2 months of current month	0 1,3 2	NEAR TERM TRANSFER NEAR TERM INSTALL START NEAR TERM INSTALL COMPLETE
20)	AA and BA have dates, CA is blank and CC within 2 months of CS	0 1,3 2	N/A CRIT SCHED INSTALL START CRIT SCHED INSTALL COMPLETE
21)	AA, BA and CA have dates, DA is blank and DC less than current month	0 1,3 2	N/A CRIT INSTALL COMPL PAST DUE CRIT CE TRANSFER PAST DUE
22)	AA, BA and CA have dates, DA is blank and DS less than current month	0 1,3 2	N/A INSTALL COMPLETE PAST DUE CE TRANSFER PAST DUE
23)	AA, BA and CA have dates, DA is blank and DC within 2 months of current month	0 1,3 2	N/A NEAR TERM CRIT INSTALL COMPL NEAR TERM CRITICAL CE TRANSFER
24)	AA, BA and CA have dates, DA is blank and DS within 2 months of current month	0 1,3 2	N/A NEAR TERM INSTALL COMPLETE NEAR TERM SCHED CE TRANSFER

	Situation	Profile	Comments
25)	AA, BA and CA have dates, DA is blank and DC within 2 months of DS	0 1,3 2	N/A CRIT SCHED INSTALL COMPLETE CRIT SCHED CE TRANSFER
26)	AA, BA, CA and DA have dates, EA is blank and EC less than current month	0 1,2,3	N/A CRITICAL DEBUG PAST DUE
27)	AA, BA, CA and DA have dates, EA is blank and ES less than current month	0 1,2,3	N/A SCHED DEBUG PAST DUE
28)	AA, BA, CA and DA have dates, EA is blank and EC within 2 months of current month	0 1,2,3	N/A NEAR TERM CRITICAL DEBUG
29)	AA, BA, CA, DA have dates, EA is blank and ES within 2 months of current month	0 1,2,3	N/A NEAR TERM SCHED DEBUG
30)	AA, BA, CA, DA have dates, EA is blank and EC within 2 months of ES	0 1,2,3	N/A CRITICAL SCHED DEBUG

NOTE: N/A means the items with that particular situation do not appear in Milestone Exception Report.

PROJ 575ZZZZ TEST CASE PLANT

+++MILESTONE EXCEPTION REPORT+++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
101•XA-207A	17.067	278	778	279	279	0	0					
•CARBONATE TOWER	17.067	278	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1005JOHN DOE INC.	0.000	0 0	0 0	0 0	579	0	0	0		10.215ECP		TCM005
102•XA-214	20.305	378	778	479	479	0	0					
•WEAK ABSORBER	20.305	1177	478	578	0 0	0	0	•CRIT SCHEDINSTALL COMPLETE				
• 1032JOHN DOE INC.	20.690	0 0	0 0	0 0	579	0	0	•12345		18.327		
103•XA-215	13.520	378	778	479	479	0	0					
•STRONG ABSORBER	13.520	278	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1032MANUFACTURER	0.000	0 0	0 0	0 0	579	0	0	•12345		9.428ECP		TCP002
104•XA-230-3	10.410	378	778	579	579	0	0					
•SULFUR STRIPPER	10.410	278	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1032JOHN DOE INC.	0.000	0 0	0 0	0 0	579	0	0	0		7.396ECP		TCP002
105•XC-208	2.114	478	778	579	579	679						
•AIR BLOWER	2.114	378	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1045MANUFACTURER	0.000	0 0	0 0	0 0	579	0	0	0		0.000ECP		TCM005
106•XC-218-9	6.921	678	279	379	379	679						
•SEC FILT VACUUM PUMP	0.000	0 0	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED AWARD				
• 0	0.000	0 0	0 0	0 0	579	0	0	0		0.000		
107•XC-219-9	6.805	278	279	379	379	679						
•PRIM FILT VACUM PMP	0.000	0 0	0 0	0 0	0 0	0	0	•AWARD PAST DUE				
• 0	0.000	0 0	0 0	0 0	579	0	0	0		0.000		
109•XC-226-3	3.577	478	778	579	579	679						
•FILTRATE EXHAUST FAN	3.577	378	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1035ABC COMPANY	0.000	0 0	0 0	0 0	579	0	0	0		0.000		
110•XC-229-2	2.007	478	778	479	479	679						
•NEUT EXHAUST FAN	2.007	378	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1035ABC COMPANY	0.000	0 0	0 0	0 0	579	0	0	0		0.000		
111•XC-233-6	21.625	378	479	479	579	679						
•EVAP VACUUM SYS	0.000	0 0	0 0	0 0	0 0	0	0	•AWARD PAST DUE				
• 0	0.000	0 0	0 0	0 0	579	0	0	0		0.000		
112•XC-236-4	9.215	278	479	479	579	679						
•VACUUM EJECT SYS	0.000	0 0	0 0	0 0	0 0	0	0	•AWARD PAST DUE				
• 0	0.000	0 0	0 0	0 0	579	0	0	0		0.000		
113•XE-207-3	7.280	278	778	1278	1278	679						
•CARBONATE LIQ COOLER	7.280	1277	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0	0	•55555		0.000		
114•XE-207-9	7.280	278	778	1278	1278	679						
•CARBONATE LIQ COOLER	7.280	278	0 0	0 0	0 0	0	0	•NEAR TERM SCHEDULED DELIVERY				
• 1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0	0	•55555		0.000		

PROJ 575ZZZZ TEST CASE PLANT

+++MILESTONE EXCEPTION REPORT+++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
115 XE-214-3	3.400	278	778	1278	1278	0	0					
WEAK AQUA COOLER	3.400	1277	0 0	0 0	0 0	0	0	NEAR TERM SCHEDULED DELIVERY				
1006ABC COMPANY	0.000	0 0	0 0	0 0	179	0	0	55555	0.000			

PROJ 575ZZZZ TEST CASE PLANT

+++MILESTONE EXCEPTION REPORT+++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	REHAB	ISTRT	ICOMP	TRNSF	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
202 XP-514-2A-	.908	378	379	279	379	679						
CHILLED WATER PUMPS	0.000	0 0	0 0	0 0	0 0	0 0		0 0	REHAB PAST DUE			
0	0.000	0 0	0 0	0 0	679	0 0		55555		0.000		
204 XD-601	9.907	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
COOLING TOWER	9.873	1277	0 0	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
1000 REPAIRS INC	9.873	0 0	0 0	0 0	679	0 0		55555		6.721		
206 XA-603	2.421	578	1178	1178	1178	0 0						
AIR DRYER	0.000	0 0	0 0	0 0	0 0	0 0		0 0	REHAB PAST DUE			
0	0.000	0 0	0 0	0 0	179	0 0		0		0.000		
207 XP-601-2A-	.871	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
COOLING TOWER PUMPS	.869	178	0 0	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
1000 REPAIRS INC	.869	0 0	0 0	0 0	679	0 0		55555		0.000		
208 XS-601-3	.191	0 0	0 0	0 0	0 0	0 0		0 0	ITEM TO BE DELETED FROM SOW			
SAND FILTER	0.000	0 0	0 0	0 0	0 0	0 0		0 0	REHAB NOT SCHEDULED			
0	0.000	0 0	0 0	0 0	0 0	0 0		0 0	0	0.000		
209 XT-602-2	.325	578	1178	1278	1278	0 0						
AIR RECEIVER	.325	1177	1277	578	0 0	0 0		CRIT SCHEDCE	TRANSFER			
1050 IN HOUSE	.325	0 0	0 0	0 0	179	0 0		0 0	0	0.000		
210 XE-701-4	.690	0 0	0 0	0 0	0 0	0 0		0 0	INSTALL DELAY DUE TO SNOW			
AMM NITRATE HEATER	.691	1177	1277	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
1050 IN HOUSE	.691	0 0	0 0	0 0	179	0 0		0 0	0	0.000	ECP	TCM005

APPENDIX F

SPECIAL REPORTS

Special Reports

The Special Report format is the same as the SDR format except line 3 which is:

+++ SPECIAL REPORTS SORTED BY XXX/YYY +++

where XXX is the category selected (NET, PO, etc) and YYY is the restriction selected (ALL, AS, etc).

The items are listed in order of XXX and grouped by profile number. If YYY is not ALL, only the items corresponding to the restriction selected will be listed.

The computer generated comments are the same as the Milestone Exception Report (see Appendix E).

PROJ 575ZZZZ TEST CASE PLANT

+++ SPECIAL REPORTS SORTED BY VND/AA +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
109*XC-226-3	3.577	478	778	579	579	679					
*FILTRATE EXHAUST FAN	3.577	378	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1035 ABC COMPAY	0.000	0 0	0 0	0 0	579	0 0		0		0.000	
110*XC-229-2	2.007	478	778	479	479	679					
*NEUT EXHAUST FAN	2.007	378	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1035 ABC COMPAY	0.000	0 0	0 0	0 0	579	0 0		0		0.000	
113*XE-207-3	7.280	278	778	1278	1278	679					
*CARBONATE LIQ COOLER	7.280	1277	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1006 ABC COMPAY	0.000	0 0	0 0	0 0	179	0 0		55555		0.000	
114*XE-207-9	7.280	278	778	1278	1278	679					
*CARBONATE LIQ COOLER	7.280	278	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1006 ABC COMPAY	0.000	0 0	0 0	0 0	179	0 0		55555		0.000	
115*XE-214-3	3.400	278	778	1278	1278	0 0					
*WEAK AQUA COOLER	3.400	1277	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1006 ABC COMPAY	0.000	0 0	0 0	0 0	179	0 0		55555		0.000	
101*XA-207A	17.067	278	778	279	279	0 0					
*CARBONATE TOWER	17.067	278	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1005 JOHN DOE NC.	0.000	0 0	0 0	0 0	579	0 0		0		10.215	ECP TCM005
102*XA-214	20.305	378	778	479	479	0 0					
*WEAK ABSORBER	20.305	1177	478	578	0 0	0 0	*CRIT SCHEDINSTALL COMPLETE				
* 1032 JOHN DOE NC.	20.690	0 0	0 0	0 0	579	0 0		12345		18.327	
104*XA-230-3	10.410	378	778	579	579	0 0					
*SULFUR STRIPPER	10.410	278	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1032 JOHN DOE NC.	0.000	0 0	0 0	0 0	579	0 0		0		7.396	ECP TCP002
103*XA-215	13.520	378	778	479	479	0 0					
*STRONG ABSORBER	13.520	278	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1032 MANUFACTUER	0.000	0 0	0 0	0 0	579	0 0		12345		9.428	ECP TCP002
108*XC-219-11	1.750	478	1278	379	379	679	*INSTALL DELAY DUE TO SNOW				
*FILTR TNK CO2 INJECT	1.750	1277	478	0 0	0 0	0 0					
* 1010 MANUFACTUER	1.750	0 0	0 0	0 0	579	0 0		0		0.000	ECP TCM005
105*XC-208	2.114	478	778	579	579	679					
*AIR BLOWER	2.114	378	0 0	0 0	0 0	0 0	*NEAR TERM SCHEDULED DELIVERY				
* 1045 MANUFACTUER	0.000	0 0	0 0	0 0	579	0 0		0		0.000	ECP TCM005

PROJ 575ZZZZ TEST CASE PLANT

+++ SPECIAL REPORTS SORTED BY VND/AA +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	REHAB	ISTRT	ICOMP	TRNSF	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
205 XK-602	.321	478	1078	1078	1078	479		INSTALL DELAY DUE TO SNOW				
AIR COMPRESSOR	.305	178	278	0 0	0 0	0 0						
1000 FIX IT UP	.305	0 0	0 0	0 0	179	0 0			0		0.000	ECP TCM005
201 XJ-514	1.215	378	279	279	379	679		INSTALL DELAY DUE TO SNOW				
REFRIGERATION SYSTEM	1.213	478	478	0 0	0 0	0 0						
1111 FIX IT UP	1.213	0 0	0 0	0 0	679	0 0				55555	0.000	ECP TCP002
209 XT-602-2	.325	578	1178	1278	1278	0 0						
AIR RECEIVER	.325	1177	1277	578	0 0	0 0		CRIT SCHEDCE TRANSFER				
1050 IN HOUSE	.325	0 0	0 0	0 0	179	0 0			0		0.000	
210 XE-701-4	.690	0 0	0 0	0 0	0 0	0 0		INSTALL DELAY DUE TO SNOW				
AMM NITRATE HEATER	.691	1177	1277	0 0	0 0	0 0		PRIORITY	INSTAL	COMPL	TRANSF	
1050 IN HOUSE	.691	0 0	0 0	0 0	179	0 0			0		0.000	ECP TCM005
203 XT-514-3	1.516	378	379	379	379	0 0						
CHILL WATER EXP TANK	1.704	478	0 0	0 0	0 0	0 0						
1111 REPAIRS IC	1.704	0 0	0 0	0 0	679	0 0				55555	0.000	ECP TCP002
207 XP-601-2A-	.871	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
COOLING TOWER PUMPS	.869	178	0 0	0 0	0 0	0 0		PRIORITY	INSTAL	COMPL	TRANSF	
1000 REPAIRS IC	.869	0 0	0 0	0 0	679	0 0				55555	0.000	
204 XD-601	9.907	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
COOLING TOWER	9.873	1277	0 0	0 0	0 0	0 0		PRIORITY	INSTAL	COMPL	TRANSF	
1000 REPAIRS IC	9.873	0 0	0 0	0 0	679	0 0				55555	6.721	

PROJ 575ZZZZ TEST CASE PLANT

+++ SPECIAL REPORTS SORTED BY CP /AA +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
108*XC-219-11 *	1.750*	478*	1278*	379*	379*	679*		INSTALL DELAY DUE TO SNOW				
FILTR TNK CO2 INJECT	1.750*	1277*	478*	0 0*	0 0*	0 0*						
* 1010 MANUFACTUER *	1.750*	0 0*	0 0*	0 0*	579*	0 0*			0		0.000	ECP TCM005
110*XC-229-2 *	2.007*	478*	778*	479*	479*	679*						
*NEUT EXHAUST FAN *	2.007*	378*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1035 ABC COMPAY *	0.000*	0 0*	0 0*	0 0*	579*	0 0*			0		0.000	
105*XC-208 *	2.114*	478*	778*	579*	579*	679*						
*AIR BLOWER *	2.114*	378*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1045 MANUFACTUER *	0.000*	0 0*	0 0*	0 0*	579*	0 0*			0		0.000	ECP TCM005
115*XE-214-3 *	3.400*	278*	778*	1278*	1278*	0 0*						
*WEAK AQUA COOLER *	3.400*	1277*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1006 ABC COMPAY *	0.000*	0 0*	0 0*	0 0*	179*	0 0*		55555			0.000	
109*XC-226-3 *	3.577*	478*	778*	579*	579*	679*						
FILTRATE EXHAUST FAN	3.577*	378*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1035 ABC COMPAY *	0.000*	0 0*	0 0*	0 0*	579*	0 0*			0		0.000	
113*XE-207-3 *	7.280*	278*	778*	1278*	1278*	679*						
CARBONATE LIQ COOLER	7.280*	1277*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1006 ABC COMPAY *	0.000*	0 0*	0 0*	0 0*	179*	0 0*		55555			0.000	
114*XE-207-9 *	7.280*	278*	778*	1278*	1278*	679*						
CARBONATE LIQ COOLER	7.280*	278*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1006 ABC COMPAY *	0.000*	0 0*	0 0*	0 0*	179*	0 0*		55555			0.000	
104*XA-230-3 *	10.410*	378*	778*	579*	579*	0 0*						
*SULFUR STRIPPER *	10.410*	278*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1032 JOHN DOE NC. *	0.000*	0 0*	0 0*	0 0*	579*	0 0*			0		7.396	ECP TCP002
103*XA-215 *	13.520*	378*	778*	479*	479*	0 0*						
*STRONG ABSORBER *	13.520*	278*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1032 MANUFACTUER *	0.000*	0 0*	0 0*	0 0*	579*	0 0*		12345			9.428	ECP TCP002
101*XA-207A *	17.067*	278*	778*	279*	279*	0 0*						
*CARBONATE TOWER *	17.067*	278*	0 0*	0 0*	0 0*	0 0*		NEAR TERM SCHEDULED DELIVERY				
* 1005 JOHN DOE NC. *	0.000*	0 0*	0 0*	0 0*	579*	0 0*			0		10.215	ECP TCM005
102*XA-214 *	20.305*	378*	778*	479*	479*	0 0*						
*WEAK ABSORBER *	20.305*	1177*	478*	578*	0 0*	0 0*		CRIT SCHED	INSTALL COMPLETE			
* 1032 JOHN DOE NC. *	20.690*	0 0*	0 0*	0 0*	579*	0 0*		12345			18.327	

PROJ 575ZZZZ TEST CASE PLANT

+++ SPECIAL REPORTS SORTED BY CP /AA +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	REHAB	ISTRT	ICOMP	TRNSF	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
205*XK-602	.321	478	1078	1078	1078	479		INSTALL DELAY DUE TO SNOW				
*AIR COMPRESSOR	.305	178	278	0 0	0 0	0 0						
* 1000 FIX IT UP	.305	0 0	0 0	0 0	179	0 0		0		0.000	ECP	TCM005
209*XT-602-2	.325	578	1178	1278	1278	0 0						
*AIR RECEIVER	.325	1177	1277	578	0 0	0 0		CRIT SCHEDCE TRANSFER				
* 1050 IN HOUSE	.325	0 0	0 0	0 0	179	0 0		0		0.000		
210*XE-701-4	.690	0 0	0 0	0 0	0 0	0 0		INSTALL DELAY DUE TO SNOW				
*AMM NITRATE HEATER	.691	1177	1277	0 0	0 0	0 0		PRIORITY INSTAL COMPL TRANSF				
* 1050 IN HOUSE	.691	0 0	0 0	0 0	179	0 0		0		0.000	ECP	TCM005
207*XP-601-2A-	.871	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
*COOLING TOWER PUMPS	.869	178	0 0	0 0	0 0	0 0		PRIORITY INSTAL COMPL TRANSF				
* 1000 REPAIRS IC	.869	0 0	0 0	0 0	679	0 0		55555		0.000		
201*XJ-514	1.215	378	279	279	379	679		INSTALL DELAY DUE TO SNOW				
*REFRIGERATION SYSTEM	1.213	478	478	0 0	0 0	0 0						
* 1111 FIX IT UP	1.213	0 0	0 0	0 0	679	0 0		55555		0.000	ECP	TCP002
203*XT-514-3	1.516	378	379	379	379	0 0						
*CHILL WATER EXP TANK	1.704	478	0 0	0 0	0 0	0 0						
* 1111 REPAIRS IC	1.704	0 0	0 0	0 0	679	0 0		55555		0.000	ECP	TCP002
204*XD-601	9.907	478	0 0	0 0	479	679		FIELD CONSTRUCTED				
*COOLING TOWER	9.873	1277	0 0	0 0	0 0	0 0		PRIORITY INSTAL COMPL TRANSF				
* 1000 REPAIRS IC	9.873	0 0	0 0	0 0	679	0 0		55555		6.721		

PROJ 575ZZZZ TEST CASE PLANT

+++ SPECIAL REPORTS SORTED BY HOL/SEL +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	AWARD	DLVRY	ISTRT	ICOMP	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
108 XC-219-11	1.750	478	1278	379	379	679		INSTALL DELAY DUE TO SNOW				
FILTR TNK CO2 INJECT	1.750	1277	478	0 0	0 0	0 0						
1010 MANUFACTUER	1.750	0 0	0 0	0 0	579	0 0		0	0.000	ECP	TCM005	
105 XC-208	2.114	478	778	579	579	679						
AIR BLOWER	2.114	378	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
1045 MANUFACTUER	0.000	0 0	0 0	0 0	579	0 0		0	0.000	ECP	TCM005	
101 XA-207A	17.067	278	778	279	279	0 0						
CARBONATE TOWER	17.067	278	0 0	0 0	0 0	0 0		NEAR TERM SCHEDULED DELIVERY				
1005 JOHN DOE NC.	0.000	0 0	0 0	0 0	579	0 0		0	10.215	ECP	TCM005	

PROJ 575ZZZZ TEST CASE PLANT

+++ SPECIAL REPORTS SORTED BY HOL/SEL +++

NO. EQ/DESCRP/PO VNDR	CN/CP/CF	REHAB	ISTRT	ICOMP	TRNSF	DEBUG	S	CMT/CP	CMT/NET	FPNUM	HOL	DATE 06/02/78
205 XK-602	.321	478	1078	1078	1078	479		INSTALL DELAY DUE TO SNOW				
AIR COMPRESSOR	.305	178	278	0 0	0 0	0 0						
1000 FIX IT UP	.305	0 0	0 0	0 0	179	0 0		0		0.000ECP	TCM005	
210 XE-701-4	.690	0 0	0 0	0 0	0 0	0 0		INSTALL DELAY DUE TO SNOW				
AMM NITRATE HEATER	.691	1177	1277	0 0	0 0	0 0		PRIORITY	INSTAL COMPL	TRANSF		
1050 IN HOUSE	.691	0 0	0 0	0 0	179	0 0		0		0.000ECP	TCM005	

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5. Network Analysis System Manual for Safeguard Construction, HNDM 4-15-1-1, April 16, 1969.

6. Scope Reference Manual, CDC, (60307200), Version 3.4, Revision L, December 31, 1975.

7. Scope 3.4 User's Guide, CDC, (60358700, Revision A, November 23, 1973.

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18. SUPPLEMENTARY NOTES

19. KEY WORDS *(Continue on reverse side if necessary and identify by block number)*

Pacers	Performance	Equipment	Requirements
Status	Data Base	Management	Sorts
Costs	Vendor	Purchase Order	Scheduled Dates
Actual Dates	Critical Dates	Computer	ARRADCOM
Update	Network Numbers	Milestone	Award

20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

PACERS provides management and field personnel with a powerful equipment monitoring program that allows users to track the status of various items. Through interactive computer data base updating, milestone interface dates (i.e. award, delivery, etc.) are analyzed providing the user appropriate managerial diagnostics in project terms. Other information, such as, purchase order numbers, vendors, component names and nomenclature, costs, network numbers may be retained and sorted. Additionally, semi-graphic displays

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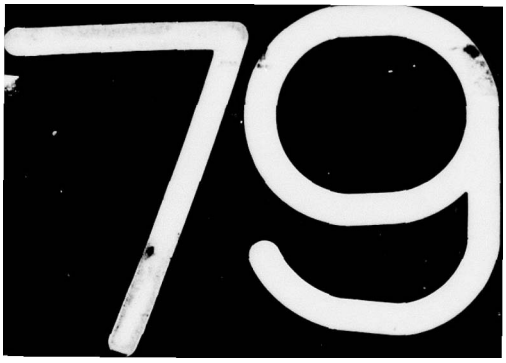
19. KEY WORDS (continued)

Delivery Installation Transfer Rehabilitation
Interactive Monitoring

20. Abstract (continued)

show milestone bar charts for each component item (equipment). The generated equipment status report provides the project's performance and current requirements/schedules for effective project planning and execution.


79